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m/027/007FACSIMILE TRANSMISSION COVER SHEETDOGM
MINERALS PROGRAM
FILE COPYDATE: 6-6-95TO: Wayne HedburgCOMPANY: DOGMLOCATION: SLCFAX NUMBER: (801) 359-3940FROM: Rody CoxCOMPANY: BLMLOCATION: FillmoreFAX NUMBER: (801) 743-5112 TELEPHONE NUMBER: (801) 743-6811 FTS 322-6800TOTAL NUMBER OF PAGES 8 (INCLUDING COVER SHEET)MESSAGE: Jumbo's Sampling & Health/Safety Plan

**JUMBO MINING COMPANY
DRUM MINE PROJECT**

May 30, 1995

SAMPLE PLAN FOR SAMPLING EMPTY CYANIDE DRUMS IN DISPOSAL TRENCHES, CHEMICAL STAINS ON WASTE DUMP AND CEMENT IN RINSED CYANIDE DRUMS.

Jumbo Mining is preparing to collect samples from cyanide drums and chemical stains on the main waste dump. Our objective is to see if any cyanide remains in the drums in the disposal trench and in the drums containing cement as well as to assure that the chemical stains do not contain cyanide. Our methods and protocol for obtaining representative samples and analytical testing are given below.

EMPTY DRUMS IN DISPOSAL TRENCHES

Two trenches on the waste dump contain empty cyanide drums with the majority of the drums residing in the south trench (#1 trench). Four uncrushed drums in the south trench and two uncrushed drums in the west trench will be selected for sampling. Strict sampling and analytical protocol will be followed, and will include:

- Approximate measurement of amount of residue, sludge, dirt, etc. in each of the drums selected
- Tagging or marking each drum selected
- Collecting at least 100 grams of material from each drum (compositing material from 2 or more drums may be necessary to obtain enough product). Duplicate samples will be collected if requested by the BLM
- Placing and labeling sample in lab provided containers
- Transport of samples in ice chests to American West Analytical under chain of custody protocol for total and Wed cyanide analysis

CHEMICAL STAINS ON WASTE DUMP

Location and number of stains sampled will be determined by BLM personnel. Stains will be sampled for cyanide since the only other powder chemicals used on site were lime (pH control) and calcium chloride (road brine) and are not considered hazardous waste. Sampling methods and protocol will be as follows:

- Measurement of sized and approximation of quantity of each stain
- Tagging each stain to be sampled
- Collecting at least 100 grams of material and placing in lab provided containers (duplicates will be collected if desired by the BLM)
- Labeling and storage of sample in an ice chest at approximately 40 degrees F
- Transport of sample to American West Analytical under chain of custody protocol for total and WAD cyanide analysis

CEMENT IN CYANIDE DRUMS

Cement has been placed in 18 rinsed cyanide drums and placed on the waste dump. Proposed sampling and analytical testing are:

- Selecting 3 drums to be sampled
- Sampling at least 100 grams of material from each drum using a core sampler (if possible)
- Labeling and storage of sample in an ice chest at approximately 40 degrees F
- Transport of samples to American West Analytical under chain of custody protocol for total and WAD cyanide analysis

PERSONNEL

The sampling will be performed by Dave Hartshorn using MSHA approved respirators and PVC suits. See safety plan.

JUMBO MINING

Appendix B

SAFETY PLAN - DRUM MINEFEDERAL AGENCY REPS (U.S. EPA, NMGRD) BLM

[REDACTED]

[REDACTED]

[REDACTED]

STATE AGENCY REPS

[REDACTED]

[REDACTED]

[REDACTED]

LOCAL AGENCY REPS

[REDACTED]

[REDACTED]

[REDACTED]

CONTRACTOR(S)

[REDACTED]

[REDACTED]

[REDACTED]

All personnel arriving or departing the site should log in and out with the recordkeeper. All activities on site must be cleared through the Project Team Leader.

D. ON SITE CONTROL

DAVE HARTSTROM

LINE OF INDIVIDUAL OR GROUP has been designated to coordinate access control and security on site. A safe perimeter has been established at 100 FEET OF APPROPRIATE PLACEMENT OF CONTROLLED AREA. GATE WILL BE SET UP & LOCATED DURING STAGING.

No unauthorized person should be within this area.

The on-site Command Post and staging area have been established at ENGINEERICK CAMP.

The prevailing wind conditions are WIND DIRECTION. This location is upwind from the Exclusion Zone.

Control boundaries have been established, and the Exclusion Zone (the contaminated area), hotline, Contamination Reduction Zone, and Support Zone (clean area) have been identified and designated as follows: (Describe boundaries and/or attach map of controlled area) SEE MAP

These boundaries are identified by: marking of zones, 1 mile fog boundary, LARS - hotline, traffic zones - support zones etc.) 7016-6

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B-4 Appendix G

The following protective clothing materials are required for the involved substances:

<u>Substance</u>	<u>Material</u>
(chemical name) <u>CYANIDE</u>	(substance name, v.v., v.t.c.) <u>TVC-</u>

If air-purifying respirators are authorized, Note # 560 (MOLDA APPROVED)
appropriate canister for use with the involved substances and concentrations.
A competent individual has determined that all criteria for using this type of
respiratory protection have been met.

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE SITE SAFETY OFFICER AND THE PROJECT TEAM LEADERS.

8. CREATE YOUR MANN

work party(s) consisting of / persons will perform the following tasks:

Project Team Leader DAVE MARTIN SAMPLES 3016 + DRUMS

Mock Poetry 91

WORK PARTY #2

RESCUE TEAM SEARCHERS DEPT.
Required for EMERGENCY
entrance to IDA
environmental

Decontamination Team Page 1 of 1

The work party(s) were briefed on the contents of this plan at _____ DATE

8.8 Appendix B

The following emergency escape routes are designated for use in those situations where evacuation from the exclusion zone cannot occur through the decontamination lane: (describe alternative routes to leave area in emergencies) E.C. 11A

In all situations, when an onsite emergency results in evacuation of the exclusion zone, personnel shall not reenter until:

1. The conditions resulting in the emergency have been corrected.
2. The hazards have been reassessed.
3. The Site Safety Plan has been reviewed.
4. Site personnel have been briefed on any changes in the Site Safety Plan.

5. Personal Monitoring

The following personal monitoring will be in effect on site:
watch for symptoms,穿着适当的衣物在工作区
Personal exposure sampling: (describe any personal sampling program being carried out on site personnel. This would include use of sampling probe, all monitoring, etc.)

Medical monitoring: The expected air temperature will be (65°F). If it is determined that heat stress monitoring is required (mandatory if over 70°F) the following procedures shall be followed:
(describe procedures in effect, i.e. monitoring body temperature, body weight, pulse rate)

All site personnel have read the above plan and are familiar with its provisions.

Site Safety Officer _____
Project Team Leader _____
Other Site Personnel _____

DAVE HARRISON

Dave H. (Signature)

801 743 5112

06/06/5

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BLM/RENEWABLE RES. SLC
From : JUMBO/DRUM 8018644365

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MAY 23, 1992 05:51 PM PDB

